

(19) World Intellectual Property
Organization
International Bureau



(43) International Publication Date
6 January 2005 (06.01.2005)

PCT

(10) International Publication Number
WO 2005/001241 A3

(51) International Patent Classification⁷: **E21B 37/06**,
43/14, 43/20, C23F 11/10

(21) International Application Number:
PCT/EP2004/006975

(22) International Filing Date: 25 June 2004 (25.06.2004)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:
60/482,271 25 June 2003 (25.06.2003) US
60/482,257 25 June 2003 (25.06.2003) US

(71) Applicant (for all designated States except US): **RHODIA CHIMIE** [FR/FR]; 26 Quai Alphonse le Gallo, F-92512 Boulogne Billancourt Cedex (FR).

(72) Inventors; and

(75) Inventors/Applicants (for US only): **HILLS, Emma** [GB/GB]; 1A Bentcliffe Mount, Moortown, Leeds, Yorkshire LS1 76QW (GB). **TOUZET, Sylvie** [FR/FR]; 81, avenue Saint-Exupéry, F-92160 Antony (FR). **LAN-GLOIS, Bruno** [FR/FR]; 26 rue de la Voute, F-75012 Paris (FR).

(74) Agents: **BOITTIAUX, Vincent** et al.; Rhodia Services, Direction de la Propriété Industrielle, 40 rue de la Haie Coq, F-93306 Aubervilliers Cedex (FR).

(81) Designated States (unless otherwise indicated, for every kind of national protection available): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.

(84) Designated States (unless otherwise indicated, for every kind of regional protection available): ARIPO (BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

Published:

— with international search report

(88) Date of publication of the international search report:
30 June 2005

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

(54) Title: METHOD FOR STIMULATING AN OILFIELD COMPRISING USING DIFFERENT SCALE-INHIBITORS

(57) Abstract: The relates to a method for stimulating an oilfield by injecting an inflow stream of a fluid into an oil producing well linked to the oilfield, displacing the oil and recovering an outflow steam of fluid comprising the oil, wherein at least two streams are injected into at least two production zones of an oil well or are injected into at least two different oil producing wells from which at least two outflow streams from the two zones or wells are combined before recovering, with a scale inhibitor having detectable moieties being introduced into the oilfield(s) and/or into the fluid, characterized in that two different scale inhibitors are used, dedicated to the two zones or wells, said different scale inhibitors having different detectable moieties that can be distinguished by analyzing.

WO 2005/001241 A3